

ORIGINAL PageRticof 30 TCN 4222 REV #0 09/01/91

TETRA TECH INC. F.I.T. SITE HEALTH & SAFETY PLAN

Prepared by:	Date	of Field Activity: 10/1/91 to 11/1/91
OHSR Approval:	OR	RHSR Approval: Doregles Canel
		DSN-WY412
Site Name: New Cumberland Da	mDm	EPA+WVD988768735 PEPA SI Number: TCN- 4222
Original Safety Plan: Yes 💢) No	()	PA () SI ()
Address: Street: New Cumb	erlan	d Lock - Dam
City: New Comberlan	d	County: Hancock
State: WV	_	Zip Code: <u>26047</u>
Site Contact:		Site Phone #:
Directions to Site: Along the	20	hio River of of Route 2
north of the town of	Nei	w Cumberland, WV
Key Tetra Tech Personnel	Respo	onsibilities On-Site
Project Manager: Philip Younis		
Site Manager:	<u>C00</u>	rdinate + manage field activities
Site Safety Officer:	Air	rdinate + manage field activities monitoring and other H+S activities
EPA SIO: Donna Santiago		
Subcontractor: NA		
Other:		

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	Site Description	L			
	Reason For Inves	tigation: Drum	removed	from floating on	Chio River
				EPA was informe	
_	thick grease	1 coating on.	the Ohio	River. Material	was deepel
tos	othin to sa	mple by E	PA. C	2 April 18, 1990	<u>)</u> ~
5599	allon poly d	rum was for	und & re	moved from loc	k+dam
J	, <i>J</i>				
	Background Infor	mation Sources: R	equest	for Assistance	-6rm-
	Donna S	intiago to G	rea Han	r20	
		9			
	Background Mater	nal Attached: Yes	() No (Y		
	Site Map Attache		_		
	Status:				
	Active (Inactive ()	Unknown	()	:
	Location:			•4	- -
A	Urban ()	Residential ()	Landfill	()	
	Suburban () Rural ()	Commercial () Industrial ()	Dump Deserted		
	· · · · · · · · · · · · · · · · · · ·			, ,	
	Physical Feature	s:			
	Flat () Hilly ()	Barren () Fielded ()	Streams Rivers	() Ponds (V) Chio River Lakes	{ }
	Sloped ()	Shrub/brush () Wooded ()	Coastal	() Lagoons () () Dams ()	
	Mountainous()	MUUUEU ()	Estuaries Marsh		

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Containers/S	truct	ures involve	ea:					
Yes	(<)	No	()	Unknown	()			
Drums: Removed A		Number 1		Condition:	Good Deteriorated	()	Poor Unknown	()4
UST:	()	Number		Condition:	Good Deteriorated	()	Poor Unknown	()
AST:	()	Number	_	Condition:	Good Deteriorated	()	Poor Unknown	()
Warehouses:	()	Number	-	Condition:	Good Deteriorated	()	Poor Unknown	()
Laboratories	:()	Number	_	Condition:	Good Deteriorated	()	Poor Unknown	()
Others:	_()	Number		Condition:	Good Deteriorated	()	Poor Unknown	()
Task To Be P	erfon	med:						
Geophy	sıcal	Monitoring	()	Well Instal	lation ()			
Drum S	ampli	ng	()	Lagoon Samp	ling ()			
Surfac	e Wat	er Sampling	()	Sediment Sa	mpling ()			
Air Sa	mplin	g	()	Well Samplı	ng ()			
Soil S	amplı	ng	()	Bulk Samplı	ng ()			
Tank S	amplı	ng	()	Biota Sampl	ıng ()			
Walk T	hroua	h Assessment	t(W	Other:	()			

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Task/Operation Health & Safety Risk Analysis:

HAZARD	MEDIA/MAXIMUM KNOWN CONCENTRATION/HAZARD DESCRIPTION
1 Unknown 2. 3 4. 5 6 7. 8. 9.	Soil Surface Water Groundwater Air Sediment (ug/kg) (ug/L) (ug/L) (ppb or mg/m²)
Biological 1 UNKNOWN 2 3 4.	Expected Location/Hazard Description
Physical 1. River Hazards 2. Dam + Lock 3. Seosonal cond. 4. 5. 6. 7. 8. 9.	ste located in Ohio River currents + untertow Cold, rain, snow

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Chemical Hazard Analysis:

Chemical Hazard Ana	iysis:		
TASK TO BE PERFORMED	HAZARD	HAZARD RATING	SPECIAL MONITORING INSTRUMENTS
Task #1: Site walk through	Chemical Unknown Biological Unknown Physical Lee ather Water	Low Medium () High ()	1. PID 2. FID 3. 4.
Task #2:	ChemicalBiologicalPhysical	Low () Medium () High ()	1 2 3 4
Task #3:	ChemicalBiologicalPhysical	Low () Medium () High ()	1
Task #4:	Chemical	Low () Medium () High ()	1 2 34

CHEMICAL HAZARD INFORMATION

CHEMICAL NAME	PEL/STEL/IDLH	ROUTE OF EXPOSURE	SYMPTOMS OF ACUTE EXPOSURE	CHEMICAL PROPERTIES	INCOMPATIBILITIES	SPECIAL MONITORING
cas #	PEL- STEL- IDLH-	Ing () Inh () Abs () Con () Inj ()		Specific Gravity Melting Point °C Vapor Pressure mm Ionization Potential V Low Flash Level (LFL) °C Upper Flash Level (UFL) °C Low. Expl. Level (LEL) % Upper. Expl. Level (UEL) % Flash Point °C Ignition Temperature °C		PID () FID () Monotox() Rad M () D Tube() Other Other
CAS #	PEL- STEL- IDLH-	Ing () Inh () Abs () Con () Inj ()		Specific Gravity Melting Point °C Vapor Pressure mm Ionization Potential °C Low. Flash Level (LFL) °C Upper Flash Level (UFL) °C Low. Expl. Level (UEL) % Upper. Expl. Level (UEL) % Flash Point °C Ignition Temperature °C		PID () FID () Monotox() Rad M () D Tube() Other
CAS #	PEL- STEL- IDLH-	Ing () Inh () Abs () Con () Inj ()		Specific Gravity Melting Point °C Vapor Pressure mm Ionization Potential V Low. Flash Level (LFL) °C Upper Flash Level (UFL) °C Low. Expl. Level (LEL) % Upper. Expl. Level (UEL) % Flash Point °C Ignition Temperature °C		PID () FID () Monotox() Rad M () D Tube() Other Other

CHEMICAL HAZARD INFORMATION

CHEMICAL NAME	PEL/STEL/IDLH	ROUTE OF EXPOSURE	SYMPTOMS OF ACUTE EXPOSURE	CHEMICAL PROPERTIES	INCOMPATIBILITIES	SPECIAL MONITORING
cas #	PEL- STEL- IOLH-	Ing () Inh () Abs () Con () Inj ()		Specific Gravity Melting Point Vapor Pressure Ionization Potential Low. Flash Level (LFL) Cupper Flash Level (UFL) Cow. Expl. Level (UEL) Vupper. Expl. Level (UEL) Flash Point Ignition Temperature		PID () FID () Monotox() Rad M () D Tube() Other
CAS #	PEL- STEL- IDLH-	Ing () Inh () Abs () Con () Inj ()		Specific Gravity Helting Point °C Vapor Pressure nm Ionization Potential °C Upper Flash Level (LFL) °C Upper Flash Level (UFL) °C Low Expl. Level (LEL) % Upper. Expl. Level (UEL) % Flash Point °C Ignition Temperature °C		PID () FID () Monotox() Rad M () D Tube() Other Other
CAS #	PEL- STEL- IDLH-	Ing () Inh () Abs () Con () Inj ()		Specific Gravity Melting Point Vapor Pressure Ionization Potential Low. Flash Level (LFL) Upper Flash Level (UFL) Cow. Expl. Level (LEL) Upper. Expl. Level (UEL) Flash Point Comparature		PID () FID () Monotox() Rad M () D Tube() Other Other

BIOLOGICAL HAZARD ANALYSIS

ANIMAL ticks (chiggers (mosquitoes (bees (reptiles (small mammals (domestic pets (Describe Hazard	
VEGETATION Poison Ivy (Contact) (Dense Vegetation (Poison (Ingestion) (Dermal Abrasion (Visibility	Describe Hazard	
) Describe Hazard in Detail	

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Physical Hazard Analysis

, iny s	1001 110201	u Allatysts	
Physical Hazard Of Concern	Hazard· Yes = (x)	Task No(s).	Comments
No1se	() (^/		
Heat - ambient air	}		
- Hot Process - Steam	ζí		
- Hot Process - Incineration	<i>(</i>)		
Cold	iá		
Rain	<i>i</i>		sea sonal
Snow	KA:		conditions
Electric Storms	<i>?</i>		
Confined Space Entry (Attached Plan)	ìí		
Heavy Manual Moving/Lifting	<i>}</i>		
Rough Terrain	À		riversedal
Unguarded Floor Openings/Lagoons	}		THEIST
Building Entry	ζí		
Structural Integrity	}		
Neighborhood	ìì		
Remote Area	()		
Compressed Gases	ζí		
Using Boats	}		
Working Over Water	₩f		pot. Sloped banks
Traffic	17		Chromodonia (Control of Control o
Explosives	ìì		
Heavy Equipment Operations	<i>(</i>)		
Lifting Equipment Operations - Cranes	ζŚ		
- Manlifts	. ? ;		
Overhead Hazards	ìs		
Working at Elevation	<i>ì</i>		
Using Ladders	ìì		
Using Scaffolding	}		
Excavating/Trenching	ìì		
Materials Handling	}		
Haz Mat. Use/Storage - Flam.Lig./Gases	()		
- Oxidizers	()		
- Corrosives	()		
Fire Extinguisher Reguired	()		-
Demolition	()		
Utilities - Underground	()		
- Overhead	Ì		
Electrical - General	()		
- High Voltage	ζj		
Welding/Cutting/Burning	Ì		
Hand Tools	()		
Power Tools	()		
High Pressure Water	()		
Illumination ;	()		
Other: Dan- Lock	Ò		corrents a undertow
Other:	17		
· · · · · · · · · · · · · · · · · · ·	` '		

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Site Control

Site Work Zone:

When applicable, the following work zones will be implemented.

The Exclusion Zone is the area where contamination is known or expected to be present, and has the potential to cause harm to personnel. Entry into the Exclusion Zone requires the use of personnel protective equipment and proper OSHA training.

The **Contamination Reduction Zone** is the buffer zone between the Exclusion Zone and Support Zone. Personal and equipment decontamination is conducted here. Minimal personal protection may be required in this zone, as per the HSP.

The **Support Zone** is located in areas that are considered clean and offer no site related risk to personnel. The Support Zone shall have a first-aid kit, potable water, and shelter from the environment. These shall be available at all times while personnel are working on-site.

Work Zones Being Used: Yes () No (

WALK THROUGH ASSESSMENT ONLY

Work Zones Can be found on: ₽/A

Site Map () Sketch on Reverse Side of Page ()

Standard Operating Procedures:

- The buddy system is required for all site work. When using the buddy system visual contact must be maintained at all times.
- All personnel leaving the Exclusion Zone must undergo decontamination.
- All equipment leaving the Exclusion Zone must undergo decontamination or be disposed of in accordance with HSP.
- Hands must be washed prior to each entry into the support zone.
- Practice contamination avoidance.
- No eating, drinking, or smoking except in the designated support zone.
- Beards or excessive facial hair that interferes proper respirator seal are not allowed past the Support Zone.

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- In the event PPE is damaged, work shall stop and PPE will be replaced.
- By alert of your awareness and physical condition; do not ignore possible exposure symptoms. If symptoms are suspect, notify the SSO.
- A designated vehicle will be available exclusively for emergency use.
- All areas which come in direct contact with contaminants shall be washed with soap and water immediately.
- The HSP shall be available at the command post or vehicle.
- Personnel should make and effort to remain upwind of contaminants.
- Do not climb over obstacles, and use safety harnesses when applicable.
- Daily Health & Safety meetings shall be required prior to commencement of work.
- Any modifications to this HSP must be approved by either the OHSR or RHSR.

Site Communication:

The following communication techniques shall be implemented:

2-Way Radios () Air Horn () Whistle () Megaphone () Hand Signals

Signal

Hands Clutching Throat Hands On Top of Head Thumbs Up Thumbs Down Arms Waving Upright Grip Partners Wrist Fist Raised Above Head

Definition

Out of Air/Can Not Breath Need Assistance OK/I Understand No/Negative Send Backup Support Exit Area Immediately Stop Immediately

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Personnel Protective Equipment

	rsonnel Protective Equipme	
TASK No(s)	TASK No(s)	TASK No(s)
LEVEL D	LEVEL C	LEVEL B
Respiratory Protection Escape Pack	Respiratory Protection Full Face APR () Cartridge	Respiratory Protection SCBA () Supplied Air Line w/ Escape () Tether Line ()
Head Protection Hard Hat Hard Hat Liner () Hearing Prot () Safety Glasses Face Shield	Head Protection Hard Hat Hard Hat Liner () Hearing Prot. () Safety Glasses () Face Shield ()	Head Protection Hard Hat () Hard Hat Liner () Hearing Prot. () Safety Glasses () Face Shield ()
Clothing Cotton Coveralls() Domestic () Insulated () Plain Tyvek () Polycoated Tyvek() Saranex () Baricade ()	Clothing Cotton Coveralls() Domestic () Insulated () Plain Tyvek () Polycoated Tyvek() Saranex () Baricade ()	Clothing Cotton Coveralls() Domestic () Insulated () Plain Tyvek () Polycoated Tyvek() Saranex () Baricade ()
Additional Prot. Clothing Rain Gear Splash Apron Safety Vest Other	Additional Protective Clothing Rain Gear () Splash Apron () Safety Vest () Other ()	Additional Prot. Clothing Rain Gear () Splash Apron () Safety Vest () Other ()
Gloves Outer Inner Cotton () () Leather () PVA () () Rubber () () Nitrile () Neoprene () Butyl () Viton () Other ()	Gloves Outer Inner Cotton () () Leather () () PVA () () Rubber () () Nitrile () () Neoprene () () Butyl () () Viton () ()	Gloves Outer Inner Cotton () () Leather () () PVA () () Rubber () () Nitrile () () Neoprene () () Butyl () () Viton () ()
Boots Outer Inner Leather Safety () () Rubber () () Fireman (Bunker) () () Insulated () () Neoprene () () Hipwaders () () Other	Boots	Boots Outer Inner Leather Safety () () Rubber () () Fireman (Bunker)() () Insulated () () Neoprene () () Hipwaders () () Other () ()

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SAFETY EQUIPMENT/MONITORING INSTRUMENTS/DECONTAMINATION SUPPLIES

SAFETY EQUIPMENT	MONITORING EQUIPMENT	DECONTAMINATION EQUIP.
Cooling Vest () Safety Radios () First-Aid Kit () Eye Wash/Shower () Blow Horn () 2-Way Radios () Portable Phone () Flash Light () Tool Kit () Fire Estinguishers () Safety Fencing () Traffic Cones () Caution Tape () Cascade Set-up () Airline Hose () Spare Breathing Air () Mech.Retrieval Sys. () Safety Rope () Safety Harness () Cooling Vest () Stretcher () Sorbent Pillows () Portable Blowers () Ladders () Other () Other	PID FID () CGI/O ₂ Meter () MiniRam () RAM () Radiation Meter () Draeger Tubes () Mercury Meter () CGI w/H ₂ S () Cyanide Meter () CGI w/CO () Heat Stress Monitor () Noise Dosimeter () Personal Sampler () Passive Air Badges () Weather Station () Other () Other	PPE Level D () PPe Level Mod. D () PPE Level C () PPE Level B () 55 gal. Drums () Hazard Labels Soap Spray Bottles () Spray Task () Steam Gun Brushes (Large) Brushes (Small) () Brushes (Fine) Buckets () Acetone () Methanol () 10% Nitric Acid Paper Towels Trash Bags () Other () Other

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Monitoring

All site monitoring is the responsibility of the SSO. All calibration of monitoring instruments will follow the recommended techniques given by the instrument manufacturer. All monitoring equipment calibration, malfunctions, and results will be documented in the field log book by the SSO.

Type of Monitoring:

Survey/Characterization	\otimes	Perimeter	(
Exposure/Breathing Zone	W	Work Zone	()

Environmental:

Air monitoring shall be used to measure airborne levels of hazardous substances, in order to determine the appropriate levels of protection needed on-site. Prior to the commencement of field activities, air monitoring shall be performed to determine ambient background conditions using real-time monitoring instruments. Air monitoring shall be required during all field activities within or adjacent to the Exclusion Zone.

During field activities within the Exclusion Zone, daily and periodic air monitoring in the breathing zone shall be done to assess exposure levels and determine the appropriate level of protection needed. The frequency of the monitoring depends on the results obtained, with the maximum time interval between reading not exceeding 15 minutes. If readings indicate the presence of contaminants above background levels, continuous monitoring shall be conducted. Air monitoring shall be conducted each time a new area is entered.

Weather conditions, including temperature and wind direction, shall also be monitored as part of the background conditions. The weather conditions along with the results from the real-time monitoring shall be recorded in the site log book. The following table summarizes the decision criteria to upgrade and down grade based on the environmental monitoring results.

Personnel:

During all field activities personnel shall be monitored by the Tetra Tech SSO or designate for fatigue and thermal exposure. The primary method of monitoring shall be by direct observation of all personnel working on-site. If evidence of fatigue is present the SSO shall implement a work/rest regimen for the affected individual(s). If evidence of thermal exposure exists, the SSO shall modify the work/rest regimen, and if necessary, implement first aid as follows:

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DECISION CRITERIA FOR UPGRADING OF PPE OR WORK STOPPAGE BASED ON ENVIRONMENTAL MONITORING RESULTS

Agent	Monitoring Instrument	Decision Level	Required Protection
Radiation	Radiation Meter	< 1 0 mrem/hr	Modified Level D
		> 1.0 mrem/hr and < 10 0 mrem/hr	Step Lorke
		> 10 0 mrem/hr	STOP HORR STOP Want
Organics (Volatile)	Photoionization	Background	Modified Level D
	Detector (PID) <u>or</u> Flame Ionization Detector (FID)	1 ppm to 5 ppm above background	tever c Stop wort
		> 5 ppm	tever B, Strownk
Dust, (Respirable)	Real-Time Aerosol	< 0.1 mg/m ³	Modified Level D
	Monitor ₄ (RAM)	> 0.1 mg/m ³ and < 0.5 mg/m ³	Level C Str. WURK
		≥ 0.5 mg/m³	Level B Stop work
Carbon Monoxide	Combustible Gas	< 35 ppm	Modified Level D
	Indicator (CGI)	> 35 ppm	Level B Stop work
Hydrogen sulfide	CGI	< 10 ppm	Modified Level D
		> 10 ppm	Level B Sty Lvrk
Hydrogen cyanide	Toxic Gas Monitor	< 4 ppm	Modified Level D
		≥ 4 ppm	Level 8 Strolourk
Mercury vapor	Mercury Meter	< 0.05 ppm	Modified Level D
		> 0.05 ppm	STOP HORK
Explosive Atmosphere	CGI	> 20% LEL	STOP HORK
Oxygen Concentration	CGI	≤ 19.5%	teres 8, Strowork

Notes:

1. Continuous readings in the breathing zone.

2. Before upgrading to Level B, all work shall stop and the SSO must be notified. Work cannot proceed in Level B without the SSO's prior approval.

3. The decision level is based on the PEL of Arsenic.

4. The SSO should record the TWA at the end of the day and also the SA at the end of each shift by pressing either the TWA or the SA key which will display the aerosol conentration. (SSO should also note the start and end time of each working shift.)

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Decontamination Plan

Refer to th	ne following figures for decontamination sequences.
Are person If yes, who B () C	nel required to assist with decon: Yes (No () at level of protection is required for those assisting: () Modified D () D
(Note: All	level B activities require assistance with decon.)
Disposition of	Waste/Residuals Management
shall be ha	al sampling media, soiled PPE, and decontamination reinstate andled as hazardous waste. All residual sampling media shall the Exclusion Zone. The following describes the disposition of al material: esidual contaminated waste is expected
Contingency Pl	<u>annınq</u>
The following	are to be located and identified during site orientation:
	First Aid Kit: Vehicle Eye Wash/Safety Shower: Vehicle Emergency Shower: Fire Extinguisher: Public Phone:
	Site Phone: Two-Way Radio:
\bowtie	Telephone Contact List: Vehicle
	Location of HSP: Vehicle Evacuation Routes: Vehicle
h \ .	to Hospital (attached man):
Follow s	or Rt 2, across toll Bride to E Liverpoon, OH
	

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Recognition/Alert/Evacuation:

An emergency is an unplanned event that threatens the safety of any personnel. All personnel, including subcontractors, must report emergencies to the Tetra Tech SSO and/or Site Manager (SM) immediately. Either the SM or SSO shall initiate the emergency response action. The SM or designate shall have the responsibility of contacting the local dispatch center during an emergency. Evacuation routes shall be established by work area locations. Each work area shall have two exit points. In the event of an evacuation, all personnel are to escape to a pre-planned rendezvous point, decontaminate to the maximum extent possible, and stay uphill and upwind at all times.

Medical Emergencies:

In cases of illness or injuries within the Exclusion Zone, the person must be decontaminated to the maximum extent possible. For serious illnesses or injuries, partial decontamination should be performed. First aid should be administered, by qualified individuals, while awaiting for an ambulance or paramedics.

Any person being transported to a medical facillity should take with them the site HSP and information on the chemical(s) they may have been exposed to on-site.

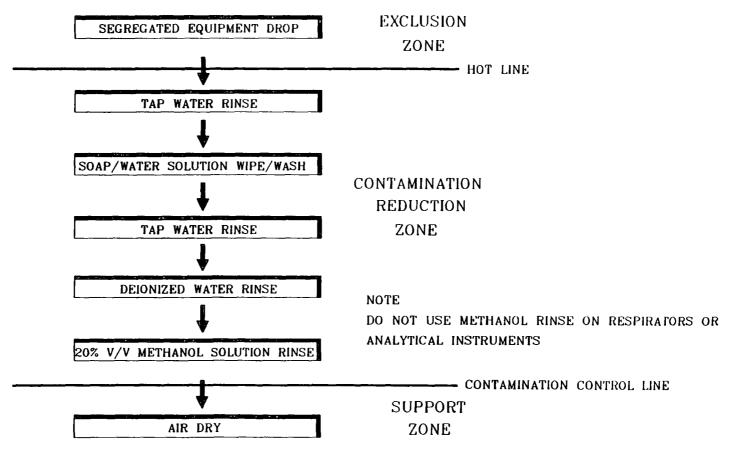
The following on-site personnel have current certifications:

<u>Name</u>	<u>CPR</u>	First Aid	<u>EMT</u>
Non Responsive based on Revised Sc	ope (X)	\bowtie	()
	\bowtie	(c)	()
	()	()	()
	_ ()	()	()

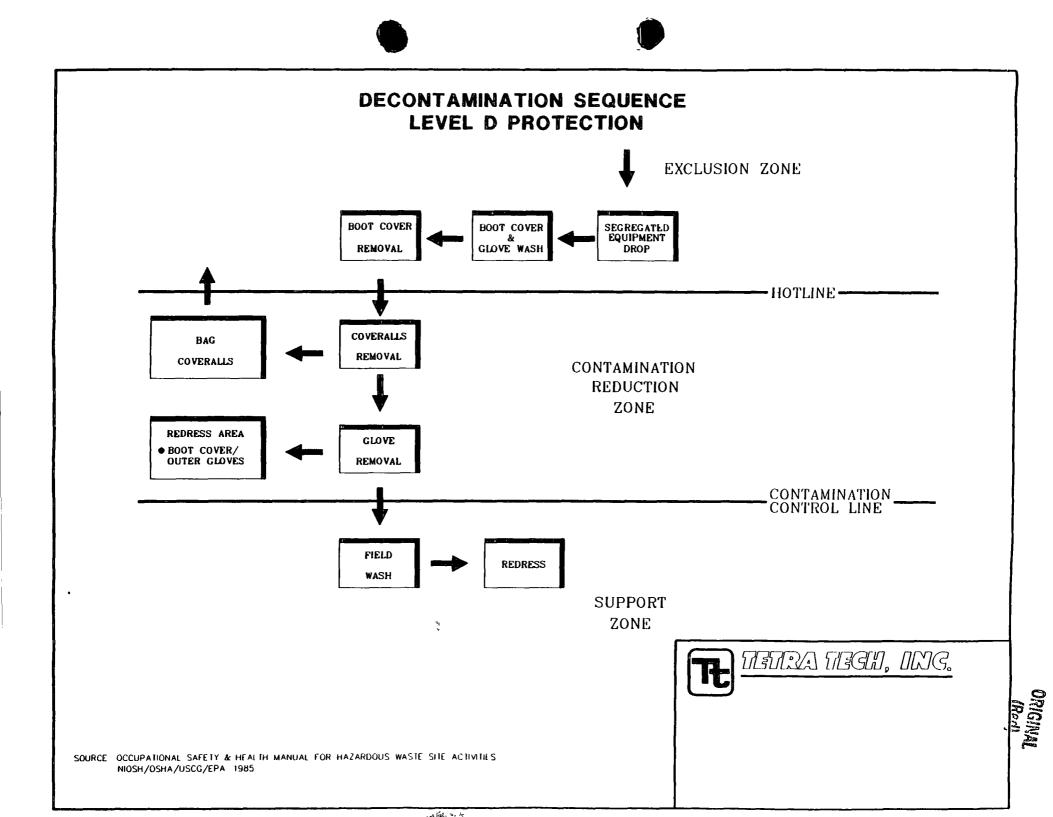
Fire or Explosion:

In case of fire or explosion, the local fire department should be contacted immediately. The Site Manager or SSO should be prepared to brief the Officer In Charge on the situation. Advise the Officer In Charge of the location, nature, and identification of the hazardous materials on-site.

DECONTAMINATION SEQUENCE SAFETY EQUIPMENT/MONITORING INSTRUMENTS

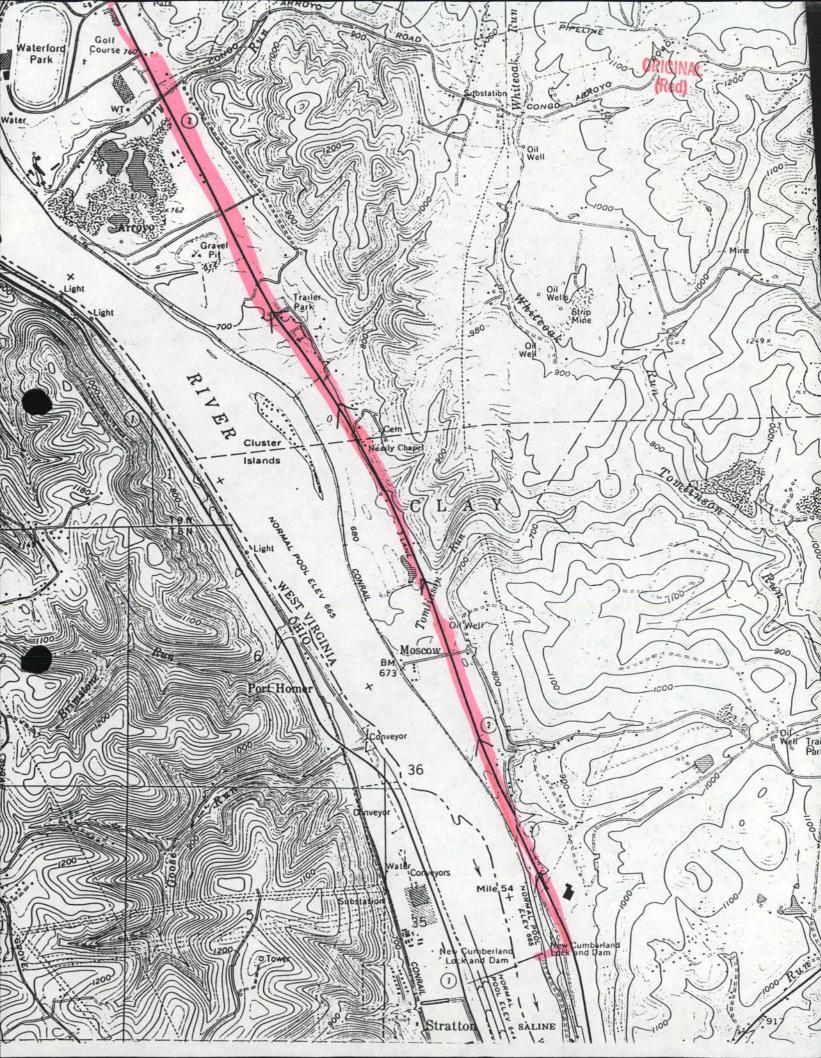






DECONTAMINATION SEQUENCE MODIFIED LEVEL D PROTECTION **EXCLUSION ZONE** BOOT COVER SEGRECATED EQUIPMENT BOOT COVER BOOT COVER GLOVE WASH GLOVE RINSE REMOVAL DROP - HOTLINE REDRESS AREA COVERALLS • BOOT COVER/ REMOVAL **OUTER GLOVES** CONTAMINATION REDUCTION ZONE **OUTER GLOVE** REMOVAL CONTAMINATION CONTROL LINE FIELD REDRESS WASH TETELA WEED, DMG. SUPPORT ZONE SOURCE OCCUPATIONAL SAFETY & ALTH MANUAL FOR HAZARDOUS WASTE SITE AUTIVITIES NIOSH/OSHA/USCG/EPA 1J85

STATE OF WEST VIRGINIA TES STATE OF OHIO REPRESENTED BY THE DEPARTMENT OF TRANSPORTATION E INTERIOR STATE OF WEST VIRGINIA GEOLOGICAL SURVEY DEPARTMENT OF NATURAL RESOURCES JRVEY AND OTHER STATE AGENCIES DIVISION OF GEOLOGICAL SURVEY (EAST LIVERPOOL NORTH) A CHASGOW PA JUAN. 1 210 000 FEET (PA.): 32'30" RGINIA Newell Lawrenceville RIVER 1222



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When directed by the SM, site personnel may use fire fighting equipment available on-site to control or extinguish the fire, and remove or isolate flammable or other hazardous materials that may contribute to the fire.

When the situation is immediately dangerous to life and health, evacuation procedures should be initiated.

Spills/Releases:

In case of a spill or leak, site personnel should:

- 1) Inform the site manager and SSO immediately;
- 2) Under the direction of the SM, locate the source of spillage and stop the flow, if it can be done safely;
- 3) Begin containment and recovery of the spilled materials with sorbent, if present.

Confined Spaces:

()	No confined space entry anticipated Confined spaces may be encountered in the following locations/during following tasks:
()	Attached confined space entry procedures.

Emergency Notification Procedures:

The following equipment is available for use on or near the site: Public Phone will be recorded in the field prior to	osite
Public Telephones	entry
Private Telephones (emergency only)	
Mobile Telephones	
Emergency Alarms/Horns	

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In the event of a site emergency, the following telephone procedure must be followed:

STEP #1 - Dial 911

Provide the following information:

- Services needed (police, fire, ambulance)
- Location of incident annu where to meet TM

The site street address is:

New Cumberland Lock & Dam

- Nature of incident (injury/illness, fire/explosion, or spill)
- Time incident occurred
- Any action taken to correct incident
- Your name and telephone number (for any call-back)

(Note: Stay at the telephone in case the dispatcher needs to contact you for additional information. Do not hang-up the phone until the dispatcher has hung-up.)

STEP #2 - Telephone Tetra Tech WAM and/or the RHSR at the following number:

302-738-7551

If the WAM or RHSR is not available, ask for the ARCs Program Director. Relay the information you gave above and telephone number where you or the TM can be reached.

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Emergency Contacts/Notification:

A. Local Res	ources	<u>Name</u>	<u>Telephone #</u>		
	Ambulance/Rescue Squad	911			
	Local Police	Weirton	304-797_8555		
	State Police				
	Fire Dept.	Weirton	304-797-8560		
	Hospital #1	Liverpool N	Medical 216-385-7200		
	Nearest Phone unk	<u>Inown</u>	Center		
B. Office Re	sources				
	EPA Contact	Donna Sant	iago 215597-1105		
	Nearest Tt Office	Fairfax V	A 703-385-6000		
	Tt Newark, DE	302-738-7551			
•		302-738-7551 (W)	302-836-8856 (H)		
		302-738-7551 (W)	215-274/2000 (H)		
	Non Respondive based on Revised 5 . WAM	302-738-7551 (W)	Non Responsive based on Revised Scope		
C. Emergency Contacts					
Poison Control Center			500 642-3625		
	National Response Cent (For Environmental Eme		800-424-8802		
	Center for Disease Control		404-488-4100		
	USEPA Region III		(24-hour) 215-597-9899		
	CHEMTREC		(24-hour) 800-424-9300		
	Federal Express - Haz. Waste Info.		901-922-1666		
	Rureau of Evolosives A A Dailways		202_835_9500		

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Personnel Training Requirements

All Tetra Tech employees are trained in accordance with 29 CFR 1910.120. All personnel are trained in the use of air purifying respirators (APR), self-contained breathing apparatus (SCBA), and air line respirators (ALR), as well as, training in the respirators capabilities, limitations, and maintenance. As required under 29 CFR 1910.134, all Tetra Tech employees are qualitatively fit-tested prior to wearing respirators. At a minimum, qualitative fit-testing is repeated annually. Subcontractors will be required to provide documentation pertaining to their current status.

Medical Monitoring

All site personnel must maintain a current active status with respect to their employer's medical surveillance program, in order to satisfy 29 CFR 1910.120 (f). Tetra Tech field personnel have physicals updated annually, and are certified annually by a physician for respirator use. Subcontractors will be required to provide documentation pertaining to their current status.

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12.0 Acknowledgement

I have read, understood, and agreed with the information set forth in this Health & Safety Plan. and with adhere the protocols specified herein.

	sed on Revised Scope	10/21/91
	sed on Revised Scope	10 21 91
Site Safety Officer	Signature V	Date
Field Team Member	Signature	Date
Field Team Member	Signature	Date
Field Team Member	Signature	Date
Field Team Member	Signature	Date
Field Team Member	Signature	Date
Subcontractors		
Name	Signature	Date

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<u>Safety Report:</u> Please return th If there were any changes made these changes to the RHSR.	or needed	for the future, the	OHSR should relay
Site Name: Charge Number:			
Tasks Performed		Dates of Activity	
			
Future Activity? Yes () No () If ye:	s, Explain:	
Describe if there were any chan	ges made	to the protection pr	ogram.
Summarize findings and monitori	ng resul	ts.	
Was the SHSP adequate? Yes () What changes can be made for fu	No () ture act	ıvıtıes?	

OHSR Signature

SSO Signature